

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.
As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



Page 1 of 9

INFORMATION DISCLOSURE STATEMENT <small>FORM PTO-1449</small>		ATTY. DOCKET NO. 1823.0820004	APPLICATION NO. 10/725,543
		INVENTORS McClurg et al.	
		FILING DATE December 3, 2003	ART UNIT 2621
		U.S. PATENT DOCUMENTS	

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA1	2,184,858	12/1939	Goodman			
	AB1	3,054,854	09/1962	Neasham			
	AC1	3,282,152	11/1966	Myer			
	AD1	3,333,502	08/1967	Flanagan			
	AE1	3,511,571	05/1970	Ogle			
	AF1	3,648,240	03/1972	Jacoby et al.			
	AG1	3,716,301	02/1973	Caulfield et al.			
	AH1	3,765,018	10/1973	Heard et al.			
	AI1	3,804,524	04/1974	Jocoy et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
A-T	AJ1	WO 96/17480 A2&A3	06/1996	PCT			N/A
A-T	AK1	JP 3-161884	07/1991	JP			No
	AL1						Yes No
	AM1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	1	International Search Report from PCT Appl. No. PCT/US03/38644, filed December 5, 2003, 3 pages.
	AO	1	English Abstract for Japanese Patent Publication No. 3-161884, published July 7, 1991, 1 page, from http://v3.espacenet.com/ .
	AP	1	
	AQ	1	
	AR	1	

EXAMINER	<i>Bholanath Tabatabai</i>	DATE CONSIDERED	<i>10/19/04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1823.0820004	APPLICATION NO. 10/725,543
		INVENTORS McClurg et al.	
		FILING DATE December 3, 2003	ART UNIT 2621
		U.S. PATENT DOCUMENTS	

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA2	3,882,462	05/1975	McMahon			
	AB2	4,032,889	06/1977	Nassimbene			
	AC2	4,128,837	12/1978	Page			
	AD2	4,180,306	12/1979	Duhrkoop et al.			
	AE2	4,206,441	06/1980	Kondo			
	AF2	4,206,556	06/1980	Sabo et al.			
	AG2	4,357,597	11/1982	Butler			
	AH2	4,387,365	06/1983	Berry et al.			
	AI2	4,414,684	11/1983	Blonder			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ2						Yes No
	AK2						Yes No
	AL2						Yes No
	AM2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	2	
	AO	2	
	AP	2	
	AQ	2	
	AR	2	

EXAMINER	<i>Abolfazl Tabatabaei</i>	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.		

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1823.0820004		APPLICATION NO. 10/725,543	
		INVENTORS McClurg et al.			
		FILING DATE December 3, 2003		ART UNIT 2621	
		U.S. PATENT DOCUMENTS			

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA3	4,467,545	08/1984	Shaw, Jr.			
	AB3	4,578,793	03/1986	Kanee et al.			
	AC3	4,688,092	08/1987	Kamel et al.			
	AD3	4,701,960	10/1987	Scott			
	AE3	4,720,869	01/1988	Wadia			
	AF3	4,736,203	04/1988	Sidlauskas			
	AG3	4,736,436	04/1988	Yasukawa et al.			
↓	AH3	4,751,660	06/1988	Hedley			
	AI3	4,751,759	06/1988	Zoell			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ3						Yes No
	AK3						Yes No
	AL3						Yes No
	AM3						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	3	
	AO	3	
	AP	3	
	AQ	3	
	AR	3	

EXAMINER	<i>Abolfazl Tabatabai</i>	DATE CONSIDERED
----------	---------------------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1823.0820004	APPLICATION NO. 10/725,543
		INVENTORS McClurg et al.	
		FILING DATE December 3, 2003	ART UNIT 2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA4	4,774,516	09/1988	Henri et al.			
	AB4	4,790,025	12/1988	Inoue et al.			
	AC4	4,805,117	02/1989	Fiore et al.			
	AD4	4,821,118	04/1989	Lafreniere			
	AE4	5,140,469	08/1992	Lamarre et al.			
	AF4	5,225,924	07/1993	Ogawa et al.			
	AG4	5,249,370	10/1993	Stanger et al.			
	AH4	5,307,264	04/1994	Waggener et al.			
V	AI4	5,309,274	05/1994	Akanabe			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ4						Yes No
	AK4						Yes No
	AL4						Yes No
	AM4						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	4	
	AO	4	
	AP	4	
	AQ	4	
	AR	4	

EXAMINER Abolfazl Tabatabai DATE CONSIDERED 10/12/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1823.0820004	APPLICATION NO. 10/725,543
		INVENTORS McClurg et al.	
		FILING DATE December 3, 2003	ART UNIT 2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA5	5,313,306	05/1994	Kuban et al.			
	AB5	5,367,399	11/1994	Kramer			
	AC5	5,377,002	12/1994	Malin et al.			
	AD5	5,440,428	08/1995	Hegg et al.			
	AE5	5,452,135	09/1995	Maki et al.			
	AF5	5,469,289	11/1995	Iwao et al.			
	AG5	5,526,436	06/1996	Sekiya			
	AH5	5,528,355	06/1996	Maase et al.			
↓	AI5	5,588,097	12/1996	Ono et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ5						Yes No
	AK5						Yes No
	AL5						Yes No
	AM5						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	5	
	AO	5	
	AP	5	
	AQ	5	
	AR	5	

EXAMINER	<i>Abolfazl Tabatabai</i>	DATE CONSIDERED
----------	---------------------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1823.0820004	APPLICATION NO. 10/725,543
		INVENTORS McClurg et al.	
		FILING DATE December 3, 2003	ART UNIT 2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA6	5,610,751	03/1997	Sweeney et al.			
	AB6	5,638,461	06/1997	Fridge			
	AC6	5,650,842	07/1997	Maase et al.			
	AD6	5,677,782	10/1997	Peng			
	AE6	5,699,186	12/1997	Richard			
	AF6	5,777,751	07/1998	Ward			
	AG6	5,796,426	08/1998	Gullichsen et al.			
	AH6	5,798,923	08/1998	Laskowski			
↓	AI6	5,937,102	08/1999	Jin			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ6						Yes No
	AK6						Yes No
	AL6						Yes No
	AM6						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	6	
	AO	6	
	AP	6	
	AQ	6	
	AR	6	

EXAMINER

Abolfazl Tabatabai

DATE CONSIDERED

10-19-04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1823.0820004	APPLICATION NO. 10/725,543
		INVENTORS McClurg et al.	
		FILING DATE December 3, 2003	ART UNIT 2621
		U.S. PATENT DOCUMENTS	

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA7	6,038,332	03/2000	Fishbine et al.			
	AB7	6,041,134	03/2000	Merjanian			
	AC7	6,046,867	04/2000	Rana			
	AD7	6,175,407 B1	01/2001	Sartor			
	AE7	6,198,429 B1	03/2001	Fujikawa et al.			
	AF7	6,243,488 B1	06/2001	Penna			
	AG7	6,341,028 B1	01/2002	Bahuguna et al.			
	AH7	6,394,356 B1	05/2002	Zagami			
✓	AI7	6,411,441 B1	06/2002	Videen			

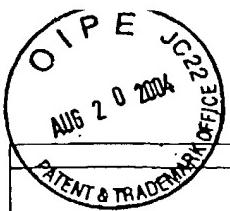
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ7						Yes No
	AK7						Yes No
	AL7						Yes No
	AM7						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	7	
	AO	7	
	AP	7	
	AQ	7	
	AR	7	

EXAMINER	<i>Abolfazl Tabatabai</i>	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.		



Page 8 of 9

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1823.0820004APPLICATION NO.
10/725,543INVENTORS
McClurg et al.FILING DATE
December 3, 2003ART UNIT
2621U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA8	6,415,064 B1	07/2002	Oh			
	AB8	6,459,451 B2	10/2002	Driscoll, Jr. et al.			
	AC8	6,466,686 B2	10/2002	Senior			
	AD8	6,496,608 B1	12/2002	Chui			
	AE8	6,616,065 B2	09/2003	Martin			
	AF8	2002/0049714 A1	04/2002	Yamazaki et al.			
	AG8	2002/0141620 A1	10/2002	Monden			
	AH8	2003/0012417 A1	01/2003	Hamid			
↓	AI8	2003/0099022 A1	05/2003	Karin et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ8						Yes No
	AK8						Yes No
	AL8						Yes No
	AM8						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	8	
	AO	8	
	AP	8	
	AQ	8	
	AR	8	

EXAMINER

Abolfazl Tabatabai

DATE CONSIDERED

10/12/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



Page 9 of 9

PATENT & TRADEMARK OFFICE FORM PTO-1449		ATTY. DOCKET NO. 1823.0820004	APPLICATION NO. 10/725,543
		INVENTORS McClurg et al.	
		FILING DATE December 3, 2003	ART UNIT 2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
A-T	AA9	2004/0109245 A1	06/2004	McClurg et al.			
	AB9	2004/0109589 A1	06/2004	McClurg et al.			
	AC9	2004/0109591 A1	06/2004	McClurg et al.			
	AD9	2004/0114785 A1	06/2004	McClurg et al.			
	AE9	2004/0114786 A1	06/2004	Cannon et al.			
	AF9						
	AG9						
	AH9						
	AI9						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ9						Yes No
	AK9						Yes No
	AL9						Yes No
	AM9						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	9	
	AO	9	
	AP	9	
	AQ	9	
	AR	9	

EXAMINER Abel Fazl Tabatabai DATE CONSIDERED 10/19/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.